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S/N 09/779,754

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jeffrey E. Stahmann et al.

Examiner: Anuradha Ramana

Serial No.: 09/779,754

Group Art Unit: 3751

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Title: PACING AND SENSING VECTORS

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AMENDMENT AND RESPONSE

Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant has reviewed the Office Action dated October 16, 2002. Detailed comments to the Office Action are found in the Remarks section below. Amendments to the specification and claims are found in the following Amendments section.

AMENDMENT

IN THE SPECIFICATION

Please replace the paragraphs of the Specification with their corresponding paragraphs in the appendix entitled "Clean Version of Specification Paragraphs." Following are marked-up versions of the amended paragraphs showing specific changes:

The paragraph beginning on page 5, line 28, is amended as follows:

Traditional pacemakers allow for pacing and sensing vectors from within single cardiac chambers. These vectors are typically referred to as "unipolar" and ["biopolar"] "bipolar", depending upon the relative proximity of the electrodes being used in the pacing and/or sensing. Unipolar and/or [biopolar] bipolar sensing and pacing can be performed within either the atrial chambers or the ventricular chambers of the heart.

The paragraph beginning on page 8, line 27, is amended as follows:

The apparatus 200 further [incudes] includes a second lead 226, where the second lead 226 has a lead body 230 having a proximal end 232, a distal end 234 and includes a lead connector 235 having one or more connector terminals. In one embodiment, examples of the